Lab Proposal

There are basically three things to consider in proposing such an activity. They are function, staff, and facility.

Function The function of this lab will be to :

a. Pre-test INS as received from the factory.
b. Trouble-shoot defective black boxes and/or systems that fail at other locations.
c. Re-calibrate INS that may need only spares replacement before return to other locations.
d. Return defective black boxes and/or systems to our factory for repair.
e. Provide a base for operational training for engineers and technicians going on remote assignments.
f. Provide central spares warehousing for all operational activities.
g. Provide rotation ability for engineers and technicians on the program.

Staff The day-to-day population would consist of crews made up of engineers, technicians, administrative assistants, and a supervisor. We would operate on a two shift basis to keep ahead of any problem areas. Remote crews would probably headquarter in the lab when appreciable time exists between trips. Permanent and transient staff would make operational bench checks and maintain all flight and ground equipment, keeping it in current repair and calibration.

The permanent staff would nominally consist of nineteen people. The transient crews could number up to fifteen if no remote assignments existed at a given time period. This staff would support the site activities on our MH 330, MH 357, S.C. & D.M. and S.A.P. programs initially. It would, in the future, work into new hardware programs.

Facility The new lab would accept 75% of the work that currently is done [redacted] It would also provide space for any intended expansion to the present [redacted]

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The new philosophy would be as stated in the Function section. All work except pre-flight and hanger test would be performed at this new lab.

To support the projected volume of testing and troubleshooting, we would require the following equipment over and above that [redacted] lab which we would put in the new lab:

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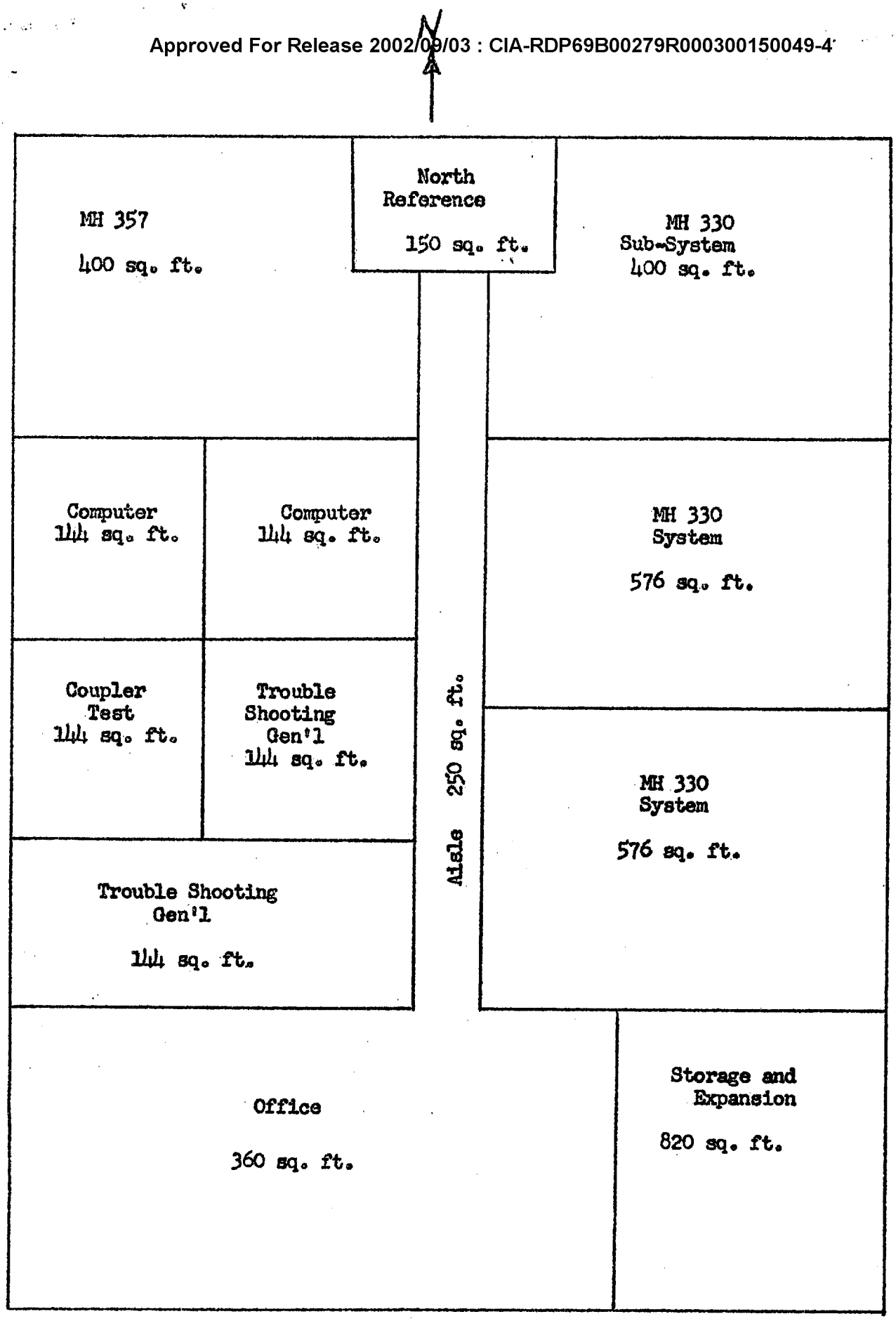
2 - system test Stations
2 - Computer Test Units
2 - Sets of lab optical readout equipment
3 - Lab oscilloscopes
1 - Lab test device for precision voltage measurements

The lab could be very flexible in its interior design. We would have twelve distinct areas. These areas may or may not be walled off depending on the type of structure used. These areas are shown on the attached layout which is not to scale but shows the area required. It totals up to 4108 square feet.

With the projected staffing on these programs, this seems to be the most logical approach when considering requirements which include test, calibrate, troubleshoot, and morale of the supporting staff.



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